



WATER MANAGEMENT MONTHLY REPORT

Information Exchange Bulletin

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RESERVOIR OPERATION AND SYSTEM STATUS FOR MARCH 2008

HIGHLIGHTS – The Ohio River at Cairo began the month at a stage of 32.16 feet. The Cairo stage rose cresting at 53.89 feet on the 25th of the month before dropping to 50.99 feet at the end of the month. Flood stage at Cairo is 40 feet. A flood control operation began on the 6th and continued through the end of the month.

WEATHER – The weather was wetter than normal during March in the Ohio Valley. Precipitation departures ranged from 0.54 inches above normal at Charleston, WV to 8.05 inches above normal at Evansville, IN. Major rainfall events occurred on the 1st, the 4th to the 5th, the 14th to the 16th, a very heavy rainfall from the 18th through the 20th and another rainfall from the 27th through the 30th. A winter storm on the 7th and 8th produced record snowfall with near-blizzard conditions along and near the Ohio River.

Ohio Valley temperatures varied from below normal in the north and west to near normal south and east. The temperatures ranged from 2.8 degrees below normal at Cincinnati, OH to 1.0 degrees above normal in Charleston, WV.

TEMPERATURE AND PRECIPITATION – MARCH 2008

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	37.1	-2.7	3.92	+0.75
Charleston, WV	46.3	+1.0	4.44	+0.54
Columbus, OH	39.4	-2.6	7.58	+4.69
Cincinnati, OH	41.1	-2.8	9.67	+5.77
Louisville, KY	46.5	-0.4	8.97	+4.56
Indianapolis, IN	40.4	-1.3	7.49	+4.05
Evansville, IN	44.9	-0.9	12.34	+8.05

Nashville, TN	50.2	+0.1	5.56	+0.69
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STREAMFLOW – Stream flow throughout the Ohio River during March began above normal, before dropping below normal for several days, then returning to near or above normal for the rest of the month. The monthly average flows ranged from a low of 122 percent of normal at Pittsburgh, PA to a high of 155 percent of normal at Evansville, IN. Daily flows ranged from a low of 53 percent of normal to a high of 241 percent of normal, both at Pittsburgh, PA.

The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA – MARCH 2008

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	83,000	122	241	53
Huntington, WV	210,000	127	212	65
Cincinnati, OH	305,000	143	194	75
Louisville, KY	382,000	152	225	76
Evansville, IN	463,000	155	217	67
Paducah, KY	659,000	127	162	66

RESERVOIRS – March began with 4.2% utilization of the total system flood control storage and ended the month at 13.8%. System-wide augmentation storage availability began at 98.6% at the beginning of the month and was at 98.7% by the end of the month.

The following table depicts storage change by tributary reservoir subsystem for March:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+349,600
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+455,100
Twelvepole-Big Sandy-Little Sandy-Scioto	+87,500
Little Miami-Licking-Mill Creek-Great Miami	+162,400
Kentucky-Salt-Green-Wabash	+589,600
Cumberland	+910,600
TOTAL	+2,554,800

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